



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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www.miamidade.gov/economy

Seaman Corporation
1000 Venture Boulevard
Wooster, OH 44691

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: FiberTite Single Ply Roof Systems over Recover Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA # 11-1219.01 and consists of pages 1 through 61.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 12-1019.28
Expiration Date: 01/05/16
Approval Date: 06/06/13
Page 1 of 61

ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Single Ply
<u>Material:</u>	KEE
<u>Deck Type:</u>	Recover
<u>Maximum Design Pressure</u>	See Specific deck type

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
FiberTite	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane
FiberTite-XT	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane
FiberTite-SM	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane
FiberTite-XTreme	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane
Style 80, Style 80-M	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane
FiberTite FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
FiberTite-XT FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
FiberTite-SM FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
Style 80 FB, Style 80-M FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
FTR Non-Reinforced	0.060" x 54" x 24'	ASTM D 6754	KEE flashing accessory
FTR Cones	1" to 8"	ASTM D 6754	premolded "KEE" pipe flashing
FTR Corners	2' x 2'	ASTM D 6754	premolded "KEE" corner flashing (4 per unit)
FTR 190		Proprietary	Two side "contact" bonding adhesive
FTR-190e		Proprietary	Solvent based bonding adhesive
FTR 290		Proprietary	One side "substrate only" fleece back solvent based adhesive
FTR 390		Proprietary	One side "substrate only" fleece back asphalt based adhesive
FTR 490		Proprietary	One side "substrate only" fleece backed water based adhesive
FTR 601		Proprietary	Elastomeric, one step foamable adhesive
FiberClad	48" x 120"	N/A	Polymeric coated G-90 galvanized steel or stainless steel
Tuff Trac	5/32" x 36" x 40" 1/4" x 24" x 48"	N/A	Vinyl walk way vinyl protection pad



APPROVED INSULATIONS:**TABLE 2**

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
FTR-Value	Isocyanurate Insulation	Seaman Corporation
FTR-Value A, FTR-Value III A	Isocyanurate Insulation	Seaman Corporation
FTR-Value H, FTR-Value H Glass Facer Roof Insulation	Isocyanurate Insulation	Seaman Corporation
ACFoam Composite	Isocyanurate Insulation with perlite facer	Atlas Roofing Corporation
ACFoam-II, ACFoam-III	Isocyanurate Insulation	Atlas Roofing Corporation
EnergyGuard Composite	Isocyanurate foam insulation with high density fiberboard or perlite insulation.	GAF Materials Corporation
DensDeck, DensDeck Prime	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
XPS	Type IV Extruded polystyrene with a minimum density of 1.6 pcf	Generic
EPS	Type IX Expanded polystyrene with a minimum density of 1.8 pcf	Generic
Type X Gypsum	Gypsum Wallboard	Generic
H-Shield, H-Shield-NB, H-Shield WF	Polyisocyanurate insulation	Hunter Panels, LLC
ENRGY 3, ENRGY 3 ValuTherm	Isocyanurate Insulation	Johns Manville Corporation
DuraBoard, Fesco Board, Retro-Fit Board	Expanded Mineral Fiber	Johns Manville Corporation
Multi-Max-3, Multi-Max FA-3	Polyisocyanurate foam insulation	Rmax Operating, LLC
Thermarroof Composite-3	Polyisocyanurate/perlite composite insulation.	Rmax Operating, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum coverboard	United States Gypsum Corporation
FiberTop E	Wood fiber board	Firestone Building Products Company, LLC
High Density Roof Fiberboard	High density fiberboard insulation	Generic
Structodek HD Fiberboard	Wood fiber board	Blue Ridge Fiberboard, Inc.



APPROVED FASTENERS:

TABLE 3
Product
Description

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	FTR Magnum	Membrane fastener	Various	Seaman Corporation
2.	FTR #14	Membrane fastener	Various	Seaman Corporation
3.	FTR Magnum plate	Galvalume AZ50 stress plate	1.5" x 2.5"	Seaman Corporation
4.	FTR Magnum 2s	Barbed, galvalume AZ50 stress plate	2-3/8" Dia.	Seaman Corporation
5.	Dekfast Galvalume Steel Round 2-3/8 in. 20-Ga. Barbed Plate	Barbed, Galvalume AZ50 stress plate	2-3/8" Dia.	SFS Intec, Inc.
6.	Dekfast Isofast IF-2.375-AT Membrane Plate	Galvalume AZ50 stress plate, #15 belted fastener system	2-3/8" Dia.	SFS Intec, Inc.
7.	Dekfast Fasteners	Insulation and membrane fasteners	Various	SFS Intec, Inc.
8.	Dekfast Galvalume Steel Hex Plate	Galvalume AZ50 steel plate	2-7/8" x 3-1/4"	SFS Intec, Inc.
9.	Trufast 3" Metal Insulation Plates	Galvalume AZ50 steel plate	3" round	Altenloh, Brinck & Co. U.S., Inc.
10.	Dekfast 15 HS	Carbon steel fastener for concrete, steel and wood decks	Various	SFS Intec, Inc.
11.	OMG #14 Fasteners	Membrane and Insulation fasteners	Various	OMG, Inc.
12.	CD-10	Membrane and Insulation Fastener	Various	OMG, Inc.
13.	OMG ASAP Fastener	Preassembled fastener and plate	3" round	OMG, Inc.
14.	FTR Magnum T	#15 threaded fastener	Various	Seaman Corporation
15.	FTR Magnum R275	Steel fastening plate	2.75" round	Seaman Corporation
16.	Trufast #21 SHD Fasteners	Insulation fastener for wood, steel and concrete	Various	Altenloh, Brinck & Co. U.S., Inc.
17.	Trufast #15 EHD Fasteners	Carbon steel fastener used in concrete, steel and wood decks	Various	Altenloh, Brinck & Co. U.S., Inc.
18.	Trufast 2-3/4" Barbed Seam Plate	Galvalume steel stress plate for use with Trufast fasteners.	2.75" round	Altenloh, Brinck & Co. U.S., Inc.
19.	FTR Magnum Plus	Oval stress plate	1 1/2" x 2 3/4"	Seaman Corporation
20.	Polymer GypTec	Fastener for cementitious and gypsum decks	Various	OMG, Inc.
21.	Polymer GypTec Insulation Plate	Round Galvalume AZ55 plate	3" round	OMG, Inc.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corp	FM 4470	1Z2A5.AM	01/12/96
		1Z3A8.AM	08/13/97
	FM 4470	3003251	10/15/99
	FM 4470	3006872	06/13/2000
	FM 4470	3009071	01/03/02
	FM 4470	3014050	07/08/03
	FM 4470	4D5A4.AM	10/05/99
	FM 4470	3028651	04/17/08
	FM 4470	3033396	09/04/09
	FM 4470	3037770	10/22/09
	FM 4470	3037168	04/12/10
	FM 4470	3013068	09/23/03
	FM 4470	3032172	06/12/09
	FM 4470	3012321	07/29/02
Exterior Research & Design, LLC	TAS 114	4015.10.96-1-R1	07/20/10
	TAS 114	4006.07.97-1-R1	07/15/10
	TAS 114	02767.09.05-S1	09/27/05
	TAS 114	02767.09.05-S2	09/27/05
	TAS 117 & ASTM D6862	C850SC.11.07-R1	08/07/09
	FM 4470 / TAS 114	S6220.03.07-R1	05/13/11
	FM 4470 / TAS 114	S32410.09.10	09/21/10
	ASTM D6754	S34070.06.11-R1	06/18/12
Trinity ERD	ASTM D 6754	S34070.06.11-R3	05/30/13
Underwriters Laboratories	UL 790	98NK12810	8/11/98
		98NK17212	8/21/98
PRI Construction Materials Technologies LLC	ASTM D 3747	HGC-142-02-03	02/09/12

APPROVED ASSEMBLIES

Membrane Type:	Single Ply, KEE
Deck Type 7I:	Recover, Insulated
Deck Description:	Concrete
System Type A(1):	One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> (Table 3)	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners</u> (Table 3)	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Tapered	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder:	(Optional) Cold-applied vapor retarder as indicated below:
Cold-applied:	(Optional) cold-applied base and/or ply sheet approved for use with the roof cover followed by an additional approved cold-applied sheet.
Membrane:	FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded. Or FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 1 gal/sq. or with FTR-390 adhesive at 1 gal. per 60 ft ² or FTR-490 water based adhesive at 100 ft ² /gal. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure:	-67.5 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(2): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Cold-applied vapor retarder as indicated below:

Cold-applied: (Optional) cold-applied base and/or ply sheet approved for use with the roof cover followed by an additional approved cold-applied sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure:

-67.5 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(3): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Tapered	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Hot-applied, Self-Adhering or Torch-applied vapor retarder as indicated below:

Hot-applied: (Optional) hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.

Self-Adhered: (Optional) self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

Torch-applied: (Optional) hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional approved torch-applied sheet.



Membrane:

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-390 adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -67.5 psf

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 1 gal/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -105 psf

Or

FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -117 psf

**Maximum Design
Pressure:**

See Membrane Options above (See General Limitation #9)



Membrane Type:	Single Ply, KEE
Deck Type 7I:	Recover, Insulated
Deck Description:	Min. 200 psi Celcore, Mearlcrete or Elastizell LWIC cast over structural concrete
System Type A(4):	One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Tapered	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane:	FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-390 adhesive at 1 gal. per 60 ft ² or FTR-490 water based adhesive at 100 ft ² /gal. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -67.5 psf</i>
	Or
	FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 1 gal/sq. or FTR-490 water based adhesive at 100 ft ² /gal. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -105 psf</i>
	Or
	FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -117 psf</i>

Maximum Design Pressure:	See Membrane Options above (See General Limitation #9)
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Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(5): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, ACFoam II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Hot-applied, Self-Adhering or Torch-applied vapor retarder as indicated below:

Hot-applied: (Optional) hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.

Self-Adhered: (Optional) self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

Torch-applied: (Optional) hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional torch-applied sheet.



Membrane:

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-390 adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -67.5 psf

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 1 gal/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -105 psf

Or

FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -169 psf (with torch-applied vapor retarder)

Maximum Design Pressure: -210 psf (with hot-applied, self-adhered or no vapor retrarder)

**Maximum Design
Pressure:**

See Membrane Options above (See General Limitation #9)

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Min. 200 psi Celcore or Mearlcrete LWIC cast over structural concrete
System Type A(6): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-390 adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -67.5 psf (for Celcore, Mearlcrete or Elastizell)
 Or
 FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 1 gal/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -105 psf (for Celcore, Mearlcrete or Elastizell)
 Or
 FiberTite, FiberTite-SM, FiberTite-XT, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -180 psf (for Elastizell)
Maximum Design Pressure: -210 psf (for Celcore or Mearlcrete)

Maximum Design Pressure: See Membrane Options above (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(7): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ACFoam-III, Multi-Max FA-3, FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield Minimum 1.5" thick	N/A	N/A
DensDeck, DensDeck Prime Minimum 0.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ACFoam-III, Multi-Max FA-3, FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield Tapered	N/A	N/A

Note: All insulation shall be adhered to the substrate in 3-3.5" wide beads spaced 12" o.c. of TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder may be installed over the substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 10 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -90 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(8): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, Multi-Max-3, ENRGY 3, H-Shield, FTR-Value, FTR-Value H, FTR-Value A Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: All insulation shall be adhered to the substrate in ½" to ¾" wide beads 12" o.c. of FTR 601 or Millennium One Step Foamable Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder may be installed over the substrate or the base layer of insulation.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190 e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -157.5 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(9): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 or Approved EPS or XPS Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25" thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Torch-applied vapor retarder as indicated below:

Torch-applied: (Optional) hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional approved torch-applied sheet.

Membrane: FiberTite, FiberTite-XT, FiberTie-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -169 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(10): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Approved EPS or XPS Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Hot-applied or Self-Adhering vapor retarder as indicated below:

Hot-applied: (Optional) hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.

Self-Adhered: (Optional) self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -180 psf (See General Limitation #9)



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Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Min. 200 psi Celcore, Mearlcrete or Elastizell LWIC cast over structural concrete
System Type A(11): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Approved EPS or XPS Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: None

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -180 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Min. 200 psi Celcore, Mearlcrete or Elastizell LWIC cast over structural concrete
System Type A(12): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, AC Foam-II, Multi-Max FA-3, H-Shield, ENRGY 3 or Approved EPS or XPS (min. 2.0 pcf) Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: None

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.
 Or
 FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -180 psf (for Elastizell) (See General Limitation #9)
 -222.5 psf (for Celcore) (See General Limitation #9)
 -240.0 psf (for Mearlcrete) (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Min. 2500 psi structural concrete or concrete plank
System Type A(13): All layers of insulation adhered subsequently membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, ENRGY3, ACFoam II, Multi-Max FA-3, FTR-Value Minimum 1.0" thick	N/A	N/A

Note: Substrate shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the substrate in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Vapor Barrier: (Optional) Any approved asphaltic vapor barrier, or existing BUR.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesie or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Maximum Design Pressures: -210.0 psf (See General Limitation #9.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type A(14): One or more layers of insulation adhered with approved asphalt, membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1.5" thick	N/A	N/A
DensDeck Prime Minimum 0.25" thick	N/A	N/A

Note: Existing roof shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Vapor Retarders: (Optional) Asphaltic Vapor Retarder.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80- M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.
or
FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -240 psf; (See General Limitation #9.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(15): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ACFoam-III, Multi-Max FA-3, FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime Minimum 0.5" thick	N/A	N/A

Note: All insulation shall be adhered to the substrate in 3-3.5" wide beads spaced 12" o.c. of TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder may be installed over the substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -240 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Steel
System Type A(16): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime Minimum 0.5" thick	N/A	N/A

Note: All insulation shall be adhered to the substrate in 3-3.5" wide beads spaced 12" o.c. of TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder may be installed over the substrate.

Fire Barrier: None.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -240 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(17): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 or Approved EPS or XPS (min. 2.0 pcf) Minimum: 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	N/A	N/A

Note: All insulation shall be adhered to the substrate or vapor barrier in TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Vapor Retarder: (Optional) Hot-applied or Self-Adhering vapor retarder as indicated below:

Hot-applied: (Optional) hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.

Self-Adhered: (Optional) self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at a rate of 1 gal/sq. to the back side of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -240 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type A(18): One or more layers of insulation adhered with approved adhesive, membrane adhered

All General and System Limitations apply.

Vapor Barrier: Any approved asphaltic vapor barrier or existing BUR.

One or more layers of the following insulations:

<u>Insulation Base Layer:</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ACFoam-III, ISO 95+ GL, JM ISO 3, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	N/A	N/A

Note: Insulation shall be adhered to the with TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 spray applied in 3" to 3½" ribbons spaced 12 in. o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 50 ft²/gal.
Or
FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft²/gal, FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal

Maximum Design Pressure: -262.5 psf (See General Limitation #9.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Steel
System Type A(19): One or more layers of insulation, maximum 1" thickness, adhered with approved adhesive, membrane adhered

All General and System Limitations apply.

Vapor Barrier: Any approved asphaltic vapor barrier or existing BUR.

One or more layers of the following insulations:

<u>Insulation Base Layer:</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	N/A	N/A

Note: Insulation shall be adhered to the with TITE-SET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20 spray applied in 3" to 3½" ribbons spaced 12 in. o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 50 ft²/gal.
 Or
 FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft²/gal, FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal

Maximum Design Pressure: -262.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type B: Base layer of insulation mechanically attached, top layer adhere; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, Multi-Max FA-3, H-Shield, ENRGY 3		
Minimum 1.5" thick	Approved Fastener for Deck Type	1:2 ft ²
Minimum 2" thick	Approved Fastener for Deck Type	1:4 ft ²
DensDeck, DensDeck Prime		
Minimum 0.25" thick	Approved Fastener for Deck Type	1:2 ft ²
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, Multi-Max FA-3, H-Shield, ENRGY 3		
Minimum 1.5" thick	N/A	N/A
DensDeck, DensDeck Prime		
Minimum 0.25" thick	N/A	N/A

Note: Apply optional top layer of insulation in a full mopping of any approved mopping hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or in ¾" to 1" wide beads 12" o.c. of FTR 601 or Insta-Stik Adhesive or OlyBond Adhesive Fastener at application rate of 1gal/100 ft². Refer to Roofing Application Standard RAS 117 and insulation adhesive manufacturer's Roofing Component Product Control Approval for insulation attachment requirements. Insulations listed as base layer shall be used only as base layers with an optional top layer insulation installed as the final membrane substrate.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the existing roof or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck applied to the base or top insulation layer in a full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft² or in ¾" to 1" wide beads 12" o.c. of FTR 601 or Insta-Stik Adhesive or OlyBond Adhesive Fastener at application rate of 1gal/100 ft² or Type X gypsum applied in ¾" to 1" wide beads of Insta-Stik Adhesive, 12" o.c. Vapor barrier is required if applied directly to lightweight concrete deck.



Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive 100 ft²/gal. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure:

-45 psf (for all other substrates, insulation attachment options and with FiberTite FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB applications) (See General Limitation #9.)

-60 psf (for 2" thick polyiso. at 1 fastener per 4 ft² over steel or concrete with FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M) (See General Limitation #9.)

-67.5 psf (for 1.5" thick polyiso. at 1 fastener per 2 ft² over steel or concrete with FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M) (See General Limitation #9.)

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type C: All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1.5" thick	Approved Fastener for Deck Type	1:2 ft ²
Minimum 2" thick	Approved Fastener for Deck Type	1:4 ft ²
DensDeck, DensDeck Prime Minimum 0.5" thick	Approved Fastener for Deck Type	1:1.7 ft ²
Minimum 0.25" thick	Approved Fastener for Deck Type	1:1.3 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Vapor Retarder: (Optional) Any UL or FMRC approved vapor retarder may be installed over the substrate or the base layer of insulation.

Fire Barrier: None.

Membrane: FiberTite, FiberTite XT, FiberTite-SM, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190 Bonding Adhesive or FTR-190e Bonding Adhesive applied at an application rate of 1 gal./sq. to the backside of the membrane and to the substrate. The outside 1.5" of the lap is heat welded.
 Or
 FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. The outside 1.5" of the lap is heat welded.



**Maximum Design
Pressure:**

-45 psf (for all other substrates, insulation attachment options and with FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB applications) (See General Limitation #9.)

-50 psf (for ¼" thick Dens Deck at 1 fastener per 1.3 ft² over steel or concrete with FiberTite, FiberTite-XT, FiberTite-SM, Style 80 or Style 80-M) (See General Limitation #9.)

-60 psf (for 2" thick polyiso. at 1 fastener per 4 ft² over steel or concrete with FiberTite, FiberTite-XT, FiberTite-SM, Style 80 or Style 80-M) (See General Limitation #9.)

-67.5 psf (for 1.5" thick polyiso. at 1 fastener per 2 ft² over steel or concrete with FiberTite, FiberTite-XT, FiberTite-SM, Style 80 or Style 80-M) (See General Limitation #9.)

Membrane Type: Single Ply, Thermoplastic
Deck Type 7I: Recover, Insulated
Deck Description: Concrete and Steel
System Type D(1): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ENRGY 3, FTR-Value, Multi-Max FA-3, H-Shield, FTR-Value H, ACFoam II, FTR-Value A Maximum 1" thick	N/A	N/A
<u>(Optional) Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime Maximum 1" thick	N/A	N/A
FiberTop E or Approved High Density Roof Fiberboard Maximum 1" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Membrane: FiberTite, FiberTite-FB, FiberTite-SM, FiberTite-SM FB, FiberTite-XT, FiberTite-XT FB, Style 80, Style 80-M, Style 80 FB, Style 80-M FB or FiberTite-XTreme secured through the preliminarily attached insulation as described below.

Fastening #1: FTR Magnum T fasteners and FTR Magnum R275 stress plates or with Trufast #15 EHD fasteners and 2-3/4" Barbed Seam Plates (EHD) or Trufast #21 SHD Fasteners and 2-3/4" Barbed Seam Plates (SHD) spaced 12" o.c. within the 6" wide side laps in rows spaced 94" o.c. The roof cover side laps are sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum T fasteners and FTR Magnum R275 stress plates or with Trufast #15 EHD fasteners and 2-3/4" Barbed Seam Plates (EHD) or Trufast #21 SHD Fasteners and 2-3/4" Barbed Seam Plates (SHD) spaced 6" o.c. within the 6" wide side laps in rows spaced 94" o.c. The roof cover side laps are sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type D(2): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value A, FTR-Value H, ACFoam-II, H-Shield Minimum 1" thick	N/A	N/A
ENRGY 3, FTR-Value, FTR-Value H, H-Shield Minimum 1.4" thick	N/A	N/A
Multi-Max-3, ACFoam Composite, EnergyGuard Composite, Thermarroof Composite-3 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the preliminary fastened insulation to the deck as specified below:

Fastening #1: Fasten with OMG ASAP (wood, steel, concrete) fasteners spaced 18" o.c. through the 3.5" head laps or fastening tabs spaced 48" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –45 psf (See General Limitation #9.)

Fastening #2: Fasten with OMG ASAP (wood, steel, concrete) spaced 6" o.c. through the 3.5" head laps or fastening tabs spaced 98" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –45 psf (See General Limitation #7.)

Fastening #3: (cementitious wood fiber and gypsum only) Fasten with Polymer GypTec fasteners and plates spaced 6" o.c. through the fastening tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –45 psf (See General Limitation #9.)



- Fastening #4:** Fasten with OMG ASAP fasteners (wood, steel, concrete) spaced 6" o.c. through the top of the roof cover spaced at maximum intervals of 9 feet. Fastener rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of the stripping and/or surface tabs shall be welded a minimum of 1". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf (See General Limitation #7.)
- Fastening #5:** Fasten with FTR Magnum fasteners (steel, concrete) and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. through the 3.5" head laps or fastening tabs spaced 53" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf (See General Limitation #7.)
- Maximum Design Pressures:** See Fastings Options Above

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Steel
System Type D(3): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam Composite, EnergyGuard Composite, H-Shield, ENRGY 3, ValuTherm, Multi-Max 3, Thermarroof Composite-3, FTR-Value, FTR-Value H, FTR-Value H Glass Facer Roof Insulation, FTR-Value H Glass Facer Tapered Roof Insulation Maximum 1.0" thick	N/A	N/A
H-Shield-NB, H-Shield WF Maximum 1.0" thick	N/A	N/A
ACFoam-II, FTR-Value A, Structodek HD Fiberboard, FiberTop E, DuraBoard or Approved High Density Roof Fiberboard Maximum 1.0" thick	N/A	N/A
Fesco Board Maximum 1.0" thick	N/A	N/A
Retro-Fit Board Maximum 1.0" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime Minimum 1/4" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Membrane: FiberTite, FiberTite-FB, FiberTite-SM, FiberTite-SM FB, FiberTite-XT, FiberTite-XT FB, FiberTite-XTreme, Style 80, Style 80-M, Style 80 FB or Style 80-M FB secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum fastener with FTR Magnum plates or FTR Magnum Plus plates, spaced 12" o.c. within the 5" laps in rows spaced 69" o.c. The side laps are sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -45 psf. (See General Limitation #7)



Fastening #2: FTR Magnum fastener with FTR Magnum plates or FTR Magnum Plus plates, spaced 6" o.c. within the 5" laps in rows spaced 69" o.c. The side laps are sealed with a minimum 1.5" heat weld.

Maximum Design Pressure: -60.0 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above.

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(4): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 gage ASTM A1008 SS Grade 80 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 72" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 96" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Fastening #3: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -60 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Steel/Concrete
System Type D(5): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) 1/4" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. within the 5" open laps in rows spaced 144.0" o.c., or installed through integral 3-1/2" fastening tab. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. through the top of the roof cover in rows spaced 144.0" o.c.. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Fastening #3: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. within the 5" open laps in rows spaced 72.0" o.c., or installed through integral 3-1/2" fastening tab. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressure: See Fastening Options Above.



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(6): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) 1/4" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 gage ASTM A 611 Grade E Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with Traxx/1 screws at a maximum spacing of 30 inches o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 18" o.c. within the 5" open laps in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" open laps in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -60 psf. (See General Limitation #7)



- Fastening #3:** Fasten with FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the top of the roof cover spaced at maximum intervals of 104.5" Fastener rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab.(closed lap configuration) over the fasteners. The edge of the stripping and/or surface tabs shall be welded a minimum of 1". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -75 psf. (See General Limitation #7)
- Fastening #4:** FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. within the 5" closed laps in rows spaced 104.5" o.c. The outside 1.5" of the laps is heat welded.
Maximum Design Pressure: -82.5 psf. (See General Limitation #7)
- Maximum Design Pressures:** See Fastening Options Above

Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(7): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 gage ASTM A653 SS Grade 33 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -60 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(8): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 20 gage ASTM A653 SS Grade 33 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(9): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) 1/4" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 ga., type B, steel decking placed over minimum 0.25" thick structural supports having maximum 6 ft spans. Deck shall be anchored with ITW Buildex Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 18" o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the presecured insulation to the deck using FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the tabs spaced a maximum of 51" o.c. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -75 psf (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(10): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 ga., 1.5" deep, ASTM A611, Grade E or ASTM A446, Grade E steel decking placed over minimum 0.25" thick structural supports having maximum 6 ft spans. Deck shall be anchored with ITW Buildex Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 30" o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the presecured insulation to the deck using FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. through the tabs spaced a maximum of 24" o.c. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -82.5 psf (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete/steel
System Type D(11): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved polyisocyanurate Listed in Table 2 Minimum 1" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) 1/4" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Deck : Structural Concrete or minimum 22 ga., type B, steel decking placed over minimum 0.25" thick structural supports having maximum 5 ft spans. Deck shall be anchored with ITW Buildex Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 18" o.c.

Membrane: FiberTite TopSider system consisting of FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M attached using FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the top of the membrane spaced at intervals of 104.5". Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -90 psf (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7I: Recover, Insulated
Deck Description: Concrete
System Type D(12): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, ACFoam-III, Multi-Max-3, Multi-Max FA-3, ENRGY 3, H-Shield Minimum 1" thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate or over a base layer of insulation.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the preliminary fastened insulation to the deck following one of the fastening methods specified below:

Fastening #1: Fasten with FTR Magnum or OMG #14 and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through 5" wide open laps with a minimum 1.5" field weld or through 3.5" fastening tabs; spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Fastening #2: Fasten with FTR Magnum or OMG #14 and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through roof cover in rows spaced 51" o.c. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(1): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck: 18-22 ga. Steel deck or minimum 2500 psi structural concrete.

Lightweight Concrete: Minimum 200 psi cellular concrete.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached to the deck as specified below:

Fastening #1: Fasten with OMG ASAP fasteners spaced 18" o.c. through the 3.5" head laps or fastening tabs spaced 48" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -45 psf (See General Limitation #9.)

Fastening #2: Fasten with OMG ASAP fasteners spaced 6" o.c. through the 3.5" head laps or fastening tabs spaced 98" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -45 psf (See General Limitation #7.)

Fastening #3: Fasten with OMG ASAP fasteners spaced 6" o.c. through the top of the roof cover spaced at maximum intervals of 9 feet. Fastener rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of the stripping and/or surface tabs shall be welded a minimum of 1". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf (See General Limitation #7.)

Fastening #4: Fasten with FTR Magnum fasteners and plates spaced 12" o.c. through the 3.5" head laps or fastening tabs spaced 53" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf (See General Limitation #7.)

Maximum Design Pressures: See Fastings Options Above

Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type E(2): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) Minimum ¼" DensDeck or DensDeck Prime or 5/8" Gypsum preliminary fastened with approved fasteners. Vapor barrier is required if applied directly to lightweight concrete deck.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached to the deck as specified below:

Fastening#1: Fasten with FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 18" o.c. through tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –45 psf (See General Limitation #7.)

Fastening #2: Fasten with FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 9" o.c. through tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –52.5 psf (See General Limitation #7.)

Maximum Design Pressure: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(3): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck

Lightweight Concrete: Minimum 200 psi cellular concrete.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the lightweight concrete as specified below.

Deck: Minimum 2500 psi structural concrete deck or Minimum 22 gage ASTM A653 SS Grade 33 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -60 psf. (See General Limitation #7)

Deck: Minimum 2500 psi structural concrete deck or Minimum 22 gage ASTM A1008 SS Grade 80 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.

Fastening #3: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 72" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)



Fastening #4:	FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 96" o.c. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -52.5 psf. (See General Limitation #7)</i>
Fastening #5:	FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -60 psf. (See General Limitation #7)</i>
Deck:	Minimum 2500 psi structural concrete deck or Minimum 20 gage ASTM A653 SS Grade 33 Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with SFS Intec Impax 5 or ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with SFS Intec ¼-14 Lap Tek or Traxx/1 screws at a maximum spacing of 30 inches o.c.
Fastening #6:	FTR Magnum, OMG CD-10 fasteners and FTR Magnum Plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -52.5 psf. (See General Limitation #7)</i>
Fastening #7:	FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5" lap of membrane in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded. <i>Maximum Design Pressure: -67.5 psf. (See General Limitation #7)</i>
Maximum Design Pressures:	See Fastening Options Above

Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(4): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck: Minimum 18-22 gage steel deck, minimum 2500 psi structural concrete

Lightweight Concrete: Minimum 200 psi cellular concrete.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the lightweight concrete as specified below.

Fastening #1: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. within the 5" over laps in rows spaced 144.0" o.c., or installed through integral 3-1/2" fastening tab. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. through the top of the roof cover in rows spaced 144.0" o.c.. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #3: FTR Magnum Fasteners with FTR Magnum 2_s plates, or Dekfast fasteners with Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plates or Dekfast #15 HS fasteners and Dekfast Isofast IF-2.375-AT Membrane Plate, spaced 6" o.c. within the 5" over laps in rows spaced 72.0" o.c., or installed through integral 3-1/2" fastening tab. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(5): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck: Minimum 22 gage ASTM A 611 Grade E Type B Steel deck fastened to steel support at a maximum span of 6' o.c. Steel deck shall be fastened with ITW Buildex Traxx/5 at a maximum spacing of 6" o.c. Side laps shall be fastened with Traxx/1 screws at a maximum spacing of 30 inches o.c., minimum 2500 psi structural concrete.

Lightweight Concrete: Minimum 200 psi cellular concrete.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 18" o.c. within the 5" open laps in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" open laps in rows spaced 51" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -60 psf. (See General Limitation #7)

Fastening #3: Fasten with FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the top of the roof cover spaced at maximum intervals of 104.5" Fastener rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab.(closed lap configuration) over the fasteners. The edge of the stripping and/or surface tabs shall be welded a minimum of 1". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -75 psf. (See General Limitation #7)

Fastening #4: FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. within the 5" closed laps in rows spaced 104.5" o.c. The outside 1.5" of the laps is heat welded.
Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel
System Type E(6): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through lightweight concrete to the deck using FTR Magnum, OMG CD-10 fasteners and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. through the tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -75 psf (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(7): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck: Minimum 22 ga., type B, steel decking placed over minimum 0.25" thick structural supports having maximum 5 ft spans. Deck shall be anchored with ITW Buildex Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 18" o.c. or minimum 2500 psi structural concrete.

Lightweight Concrete: Minimum 200 psi cellular concrete.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate.

Fire Barrier: (Optional) 1/4" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet. Vapor barrier is required if applied directly to lightweight concrete deck.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the presecured insulation to the deck using FTR Magnum fasteners and plates spaced 6" o.c. through the tabs spaced a maximum of 51" o.c. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -75 psf (See General Limitation #7)

Or

FiberTite TopSider system consisting of FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M attached using FTR Magnum Fasteners and plates spaced 6" o.c. through the top of the membrane spaced at intervals of 104.5". Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -90 psf(See General Limitation #7)

Maximum Design Pressures: See Membrane attachment above.



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel
System Type E(8): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck Description: Structural Concrete or Minimum 22 ga., 1.5" deep, ASTM A611, Grade E or ASTM A446, Grade E steel decking placed over minimum 0.25" thick structural supports having maximum 6 ft spans. Deck shall be anchored with ITW Buildex Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 30" o.c.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the existing roof to the deck as specified below:

Fastening: Fasten with FTR Magnum fasteners (steel, concrete) and FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. through the 3.5" head laps or fastening tabs spaced 24" o.c. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -82.5 psf (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/steel/lightweight concrete
System Type E(9): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Deck: Minimum 22 ga., type B, steel decking placed over minimum 0.25" thick structural supports having maximum 5 ft spans. Deck shall be anchored with min. 5/8" puddle welds or Traxx/4 or Traxx/5 fasteners spaced at maximum 6" o.c. at supports. Deck side laps shall be secured with ITW Buildex Traxx/1 fasteners spaced at a maximum 18" o.c. or minimum 2500 psi structural concrete.

Lightweight Concrete: Minimum 200 psi cellular concrete.

Membrane: FiberTite TopSider system consisting of FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M attached to underlying steel deck using FTR Magnum Fasteners and plates spaced 6" o.c. through the top of the membrane spaced at intervals of 104.5". Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -90 psf; (See General Limitation #7.)



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-Insulated
Deck Description: Concrete
System Type E(10): Membrane mechanically attached to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarders: (Optional) Any UL or FM approved vapor retarder applied to the substrate

Fire Barrier: (Optional) ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FibertTite-XTreme, Style 80 or Style 80-M roof cover attached to the deck following one of the fastening methods specified below:

Fastening #1: Fasten with FTR Magnum or OMG #14 and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through 5" wide open laps with a minimum 1.5" field weld or through 3.5" fastening tabs; spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Fastening #2: Fasten with FTR Magnum or OMG #14 and FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through roof cover in rows spaced 51" o.c. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above

Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Concrete/lightweight concrete/cementitious wood fiber/wood/steel
System Type F(1): Membrane adhered to existing smooth surface BUR

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Barrier: None.

Membrane: FiberTite–FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the existing roof with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 1 gal. per 100 ft² or FTR-390 asphalt based adhesive at 1 gal. per 60 ft² or FTR-490 water based adhesive at 100 ft²/gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -45 psf (See General Limitation #9)



Membrane Type: Single Ply, KEE
Deck Type 7: Recover, Non-insulated
Deck Description: Minimum 300 psi Concrecel Lightweight Concrete
System Type F(2): Membrane adhered to deck.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Concrete Deck: Minimum 2500 psi, structural concrete deck or plank.

Vapor Barrier: Any approved asphaltic vapor barrier or existing BUR.

Lightweight Concrete: Minimum 300 psi, Concrecel Lightweight Concrete applied with a minimum ¼” thick slurry coat followed by an optional minimum 1” thick Apache Holey Board and a minimum 2.25” thick top coat.

Treatment: Concrecel Curing Compound applied to the deck top surface when walkable, at a rate of 600 ft²/gal.

Membrane: FiberTite–FB, FiberTite–XT FB, FiberTite–SM FB, Style 80 FB or Style 80–M FB roof cover adhered to the insulation with FTR-290 solvent adhesive at 1 gal. per 75 ft² applied to substrate or with FTR-490 water based adhesive at 100 ft²/gal. Membrane rolled in with weighted roller. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -375.0 psf; (See General Limitation #9.)

RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 12-1019.28
Expiration Date: 01/05/16
Approval Date: 06/06/13
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